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PATENT  
56625/E242

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

U.S. Patent No. : 7,160,024 Confirmation No. 7243  
Issued : January 9, 2007  
Inventor(s) : Gregory A. Dougherty, Sr., et al.  
Application No. : 10/727,490  
Filed : December 5, 2003  
Title : APPARATUS AND METHOD FOR CREATING A VORTEX FLOW

REQUEST FOR CERTIFICATE OF CORRECTION

Office of Certificates of Correction  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

P. O. Box 7068  
Pasadena, CA 91109-7068  
June 8, 2007

Commissioner:

Submitted herewith are two copies of a proposed Certificate of Correction for the above-referenced patent. The errors are identified in detail in the proposed certificate, and the corresponding text in the application is located as follows:

Location in Patent

Location in Application

PTO errors:

In the Claims

Column 10, line 34, Claim 15

Amendment filed Nov. 1, 2006, pg. 4, Old Claim 40, line 1

Applicant errors:

In the Claims

Column 9, line 38, Claim 11

Examiner's Amendment issued with Notice of Allowance dated Aug. 1, 2006, pg. 2, Old Claim 35, line 2

Applicant(s) errors were unintentional and inadvertent, and were made in good faith through oversight. Correction is accordingly requested under 35 U.S.C. § 255, and our check for the \$100 statutory fee is enclosed. Any deficiency or overpayment should be charged or credited to Deposit

Account No. 03-1728. Please show our docket number with any credit or charge to our Deposit Account.

06/11/2007 HDEMSS2 00000022 7160024

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I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on: June 8, 2007 (Date of Deposit)

Certificate  
JUN 13 2007  
of Correction

JUN 13 2007

**U.S. Patent No. 7,160,024**

Correction of applicant(s) errors does not constitute new matter or require reexamination.  
Approval of this certificate is respectfully requested

Respectfully submitted,

**CHRISTIE, PARKER & HALE, LLP**

By 

Mark Garscia  
Reg. No. 31,953  
626/795-9900

MEG/clv

Enclosures: Certificate of Correction (2)  
Check \$100

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JUN 13 2007

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**Page 1 of 1

PATENT NO. : 7,160,024  
APPLICATION NO.: 10/727,490  
ISSUE DATE : Jan. 9, 2007  
INVENTOR(S) : Dougherty, Sr. et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**In the Claims**

Column 9, line 38, Claim 11

Delete "having at least one side aperture"

Column 10, line 34, Claim 15

Delete "the tool",  
Insert --The tool--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

CHRISTIE, PARKER & HALE, LLP.  
P.O. Box 7068  
Pasadena, California 91109-7068

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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